

DEPARTMENT OF TRANSPORTATION

DIVISION OF ENGINEERING SERVICES

Office of Structural Materials

Quality Assurance and Source Inspection



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Contract #: 04-0120F4Cty: SF/ALA Rte: 80 PM: 13.2/13.9File #: 1.28**WELDING INSPECTION REPORT****Resident Engineer:** Casey, William**Address:** 333 Burma Road**City:** Oakland, CA 94607**Report No:** WIR-026631**Date Inspected:** 31-Oct-2011**Project Name:** SAS Superstructure**OSM Arrival Time:** 730**Prime Contractor:** American Bridge/Fluor Enterprises, a JV**OSM Departure Time:** 1600**Contractor:** American Bridge/Fluor Enterprises, a JV**Location:** Job Site**CWI Name:** N / A**CWI Present:** Yes No**Inspected CWI report:** Yes No N/A**Rod Oven in Use:** Yes No N/A**Electrode to specification:** Yes No N/A**Weld Procedures Followed:** Yes No N/A**Qualified Welders:** Yes No N/A**Verified Joint Fit-up:** Yes No N/A**Approved Drawings:** Yes No N/A**Approved WPS:** Yes No N/A**Delayed / Cancelled:** Yes No N/A**Bridge No:** 34-0006**Component:** S.A.S. components**Summary of Items Observed:**

The Quality Assurance Inspector (QAI), Scott Croff, was present at the Self Anchored Span (SAS) job site to observe the scheduled fabrication and welding of components for the SFOBB project.

The QAI reviewed contract documents at pier 7. The QAI used approved weekly welding report submittals and cross referenced the welding and inspection status as reported with QA records to identify the overall weld status. The QAI continued reviewing welding report packages 84, 85 and 86 for conformance with the contractor requirements. The QAI also continued reviewing documents and compiling the weld status from documentation. The QAI also began the review of submittal 1536R85. This work was in progress at the end of the shift.

The QAI was requested to sample fastener components that have been delivered to the Pier 7 job site. The QAI met with Caltrans Transportation Engineer Bob Brignano and was provided access to the fastener components. The QAI was also provided with copies of the pertinent manufacturing certification documents. The QAI pulled random samples to satisfy the contract requirements for verification. The QAI assigned lot numbers B212-042-11 and generated a TL-102 form with the pertinent information. The QAI noted that these samples will be delivered to Translab at a later time.

The QAI was present at the SAS structure on W2, for the contractor's presentation of the cable installation. The QAI noted that the contractor is demonstrating the means and methods of installing the cable strands in their proper orientation through the deviation saddles on the West end. The QAI noted that this procedure demonstrated did not include pulling / positioning of the cable strands. The QAI also noted that the cable strands being demonstrated are not for the permanent installation. See the attached photos.

WELDING INSPECTION REPORT

(Continued Page 2 of 2)



Summary of Conversations:

The QAI relayed the status of the document reviews, fastener assembly sample status and the observed strand installation process to the QAI Lead Bill Levell. Except as described above, there were no other notable conversations.

Comments

This report is for the purpose of determining conformance with the contract documents and is not for the purpose of making repair or fit for purpose recommendations. Should you require recommendations concerning repairs or remedial efforts please contact Nina Choy (510) 385-5910, who represents the Office of Structural Materials for your project.

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| Inspected By: | Croff, Scott | Quality Assurance Inspector |
| Reviewed By: | Levell, Bill | QA Reviewer |
